

Vancomycin indications request form effects on its substandard using in Imam Khomeini hospital (Ardabil)

Abstract

Background and objective

Vancomycin is the only reliable weapon to treat staphylococci resistant to methicillin and resistant enterococcus . The use of vancomycin should be limited to certain conditions to prevent the occurrence of drug resistance in various microorganisms. However, the use of vancomycin due to lack of knowledge or lack of necessary culture is largely unnecessary and does not have the necessary evidence for administration. The purpose of this study The effect of the standard request form of Vancomycin Indications on its unnecessary consumption in Imam Khomeini Hospital in Ardebil.

methods

In this descriptive-analytic study, all patients who were exposed to vancomycin during the winter of 1394 and spring of 1395 in the infectious ward and ICU were firstly extracted. This information includes age, sex, hospitalization, and dosage for receiving an anti-boutique. Then, from the winter of 1395 until the end of spring of 1396, a form of review of administration of vancomycin was distributed in infectious diseases and ICUs. These forms contained information, including indications of vancomycin. After completing the forms, all the information including the number of patients who received vancomycin from the beginning entered the SPSS v18 statistical program and analyzed the data.

Results

In this study, the majority of patients were male and the mean age of the patients was 54.77 ± 15.52 years. The most common site of infection was in patients with infections of the skin and soft tissues and in patients admitted to the ICU of the respiratory tract. The average number of days of administration of this drug was $7/28 \pm 7/15$ days and 87/6% of patients received vancomycin less than 15 days. It was also found that 77.91% had no specific indication for prescribing. In this study, the presentation of training forms for vancomycin indications did not reduce the amount of antibiotic use and increased slightly.

Conclusion

The results of this study showed that the completion of vancomycin indication forms prior to administration did not reduce its administration.

Keywords: Vancomycin, Infectious Disease, ICU, Imam Khomeini Hospital